

CLAIMS

1. A discharge system for compressors of the type which comprises: a cylinder block defining a compression chamber (2); a first discharge chamber (4) receiving an intermittent gas mass flow from the compression chamber (2); a second discharge chamber (6) in direct communication with the first discharge chamber (4); a third discharge chamber (7) in constant fluid communication with the second discharge chamber (6) and opened to a discharge tube (5), characterized in that it comprises a valve means (22) which assumes an open position, communicating the first and the third discharge chambers (4,7) when a gas mass flow passing from the compression chamber (2) to the first discharge chamber (4) reaches a determined gas mass flow value, and a closed position blocking, at least in most part, said fluid communication between the first and third discharge chambers (4,7) when said gas mass flow reaches values that are lower than the determined gas mass flow value.
2. The system as set forth in claim 1, characterized in that the valve means (22) is disposed in a third discharge orifice (14) provided between the first discharge chamber (4) and the third discharge chamber (7).
3. The system as set forth in claim 2, in which a valve plate (22) is provided between the compression chamber (2) and the first discharge chamber (4), carrying at least one suction valve (21) and one discharge valve (30), characterized in that the valve means (22) is in the form of a vane mounted to the valve plate (10).
4. The system as set forth in claim 3, characterized in that the valve means (22) is incorporated to a valve blade (20) affixed to the valve plate (10).

5. The system as set forth in claim 4, characterized in that the valve means (22) is incorporated to a valve blade (20) incorporating at least one suction valve (21).